

Serial No.: 10/596,118

Filing Date: 5/31/2006

Attorney Docket No. 515.040US01

Title: TEST APPARATUS FOR CONTROL UNIT, PATTERN SIGNAL CREATING APPARATUS, AND TEST PROGRAM GENERATING APPARATUS

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**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of claims:**

1.-9. (Canceled)

10. (Currently amended) A test apparatus for a control unit, comprising:  
testing means for testing ~~the~~ operation of said control unit based on a relationship between a pattern signal input to said control unit and an output signal output in response to said pattern signal from a target being controlled by said control unit;  
means for causing said testing means during execution of a first pattern signal to switch to the execution of a second pattern signal when a first pattern signal transition condition for making a transition to the execution of said second pattern signal holds as a result of the execution of the first pattern signal; and  
means for causing said testing means during execution of said first pattern signal to switch to the execution of a third pattern signal when a second pattern signal transition condition for making a transition to the execution of said third pattern signal holds as a result of the execution of the first pattern signal, wherein the testing means continues testing the operation of the control unit based on one of the second pattern signal or the third pattern signal.

11.-19. (Canceled)

20. (Currently amended) A test method for testing ~~the~~ operation of a control unit based on a relationship between a pattern signal input to said control unit and an

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output signal output in response to said pattern signal from a target being controlled by said control unit, said method comprising;

    a step for executing a first pattern signal;

    a step for switching, during execution of said first pattern signal, to the execution of a second pattern signal when a first pattern signal transition condition for making a transition to the execution of said second pattern signal holds as a result of the execution of the first pattern signal; ~~and~~

    a step for switching, during execution of said first pattern signal, to the execution of a third pattern signal when a second pattern signal transition condition for making a transition to the execution of said third pattern signal holds as a result of the execution of the first pattern signal; and

a step for continuing testing the operation of the control unit based on one of the second pattern signal or the third pattern signal.